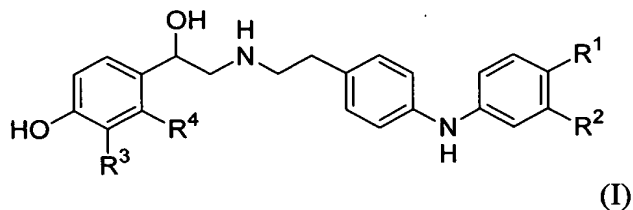


**WHAT IS CLAIMED IS:**

1. A compound of formula (I):



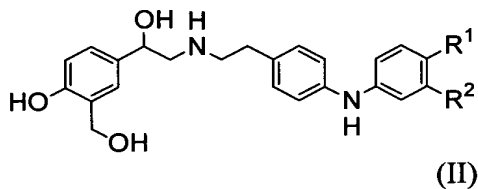
wherein:

R<sup>1</sup> is methoxy or ethoxy, and R<sup>2</sup> is hydrogen or phenyl; or R<sup>1</sup> is hydrogen, and R<sup>2</sup> is phenyl; and

R<sup>3</sup> is -CH<sub>2</sub>OH or -NHCHO, and R<sup>4</sup> is hydrogen; or R<sup>3</sup> and R<sup>4</sup> taken together are -NHC(=O)CH=CH-;

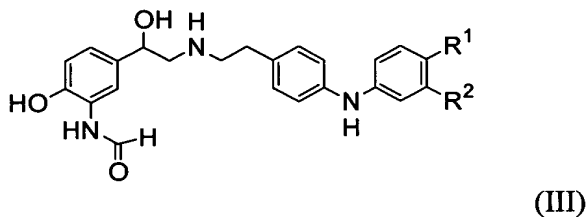
or a pharmaceutically-acceptable salt or solvate or stereoisomer thereof.

2. The compound of claim 1 which is a compound of formula (II):



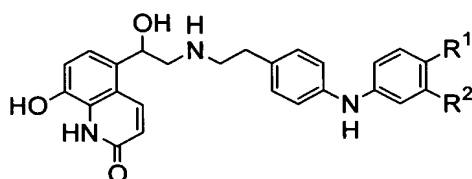
wherein R<sup>1</sup> is methoxy or ethoxy, and R<sup>2</sup> is hydrogen or phenyl; or wherein R<sup>1</sup> is hydrogen, and R<sup>2</sup> is phenyl; or a pharmaceutically-acceptable salt or solvate or stereoisomer thereof.

3. The compound of claim 1 which is a compound of formula (III):



wherein R<sup>1</sup> is methoxy or ethoxy, and R<sup>2</sup> is hydrogen or phenyl; or wherein R<sup>1</sup> is hydrogen, and R<sup>2</sup> is phenyl; or a pharmaceutically-acceptable salt or solvate or stereoisomer thereof.

- 5            4.        The compound of claim 1 which is a compound of formula (IV):



(IV)

- wherein R<sup>1</sup> is methoxy or ethoxy, and R<sup>2</sup> is hydrogen or phenyl; or wherein R<sup>1</sup> is hydrogen, and R<sup>2</sup> is phenyl; or a pharmaceutically-acceptable salt or solvate or stereoisomer thereof.
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5.        The compound of claim 1 wherein R<sup>1</sup> is methoxy and R<sup>2</sup> is phenyl.
6.        The compound of claim 1 wherein R<sup>1</sup> is ethoxy and R<sup>2</sup> is phenyl.
- 15        7.        The compound of claim 4 wherein R<sup>1</sup> is methoxy and R<sup>2</sup> is phenyl.
8.        The compound of claim 1 wherein the compound is a mixture of stereoisomers wherein the amount of the (*R*) stereoisomer is greater than the amount of the (*S*) stereoisomer.
- 20        9.        The compound of claim 1 wherein the compound is the (*R*) stereoisomer.
10.       A compound selected from the group consisting of:
- 25        *N*-{2-[4-(3-phenyl-4-methoxyphenyl)aminophenyl]ethyl}-2-hydroxy-2-(3-hydroxymethyl-4-hydroxyphenyl)ethylamine;
- N*-{2-[4-(4-ethoxyphenyl)aminophenyl]ethyl}-2-hydroxy-2-(3-hydroxymethyl-4-hydroxyphenyl)ethylamine;

*N*-{2-[4-(3-phenyl)aminophenyl]ethyl}-2-hydroxy-2-(3-hydroxymethyl-4-hydroxyphenyl)ethylamine;

*N*-{2-[4-(3-phenyl-4-methoxyphenyl)aminophenyl]ethyl}-2-hydroxy-2-(8-hydroxy-2(1*H*)-quinolinon-5-yl)ethylamine;

5            *N*-{2-[4-(4-methoxyphenyl)aminophenyl]ethyl}-2-hydroxy-2-(3-hydroxymethyl-4-hydroxyphenyl)ethylamine;

*N*-{2-[4-(3-phenyl-4-ethoxyphenyl)aminophenyl]ethyl}-2-hydroxy-2-(3-hydroxymethyl-4-hydroxyphenyl)ethylamine;

10           *N*-{2-[4-(3-phenyl-4-methoxyphenyl)aminophenyl]ethyl}-2-hydroxy-2-(3-formamido-4-hydroxyphenyl)ethylamine;

*N*-{2-[4-(4-ethoxyphenyl)aminophenyl]ethyl}-2-hydroxy-2-(3-formamido-4-hydroxyphenyl)ethylamine;

*N*-{2-[4-(3-phenylphenyl)aminophenyl]ethyl}-2-hydroxy-2-(3-formamido-4-hydroxyphenyl)ethylamine;

15           *N*-{2-[4-(3-phenyl-4-ethoxyphenyl)aminophenyl]ethyl}-2-hydroxy-2-(3-formamido-4-hydroxyphenyl)ethylamine;

*N*-{2-[4-(4-methoxyphenyl)aminophenyl]ethyl}-2-hydroxy-2-(3-formamido-4-hydroxyphenyl)ethylamine;

20           *N*-{2-[4-(4-ethoxyphenyl)aminophenyl]ethyl}-2-hydroxy-2-(8-hydroxy-2(1*H*)-quinolinon-5-yl)ethylamine;

*N*-{2-[4-(3-phenylphenyl)aminophenyl]ethyl}-2-hydroxy-2-(8-hydroxy-2(1*H*)-quinolinon-5-yl)ethylamine;

*N*-{2-[4-(3-phenyl-4-ethoxyphenyl)aminophenyl]ethyl}-2-hydroxy-2-(8-hydroxy-2(1*H*)-quinolinon-5-yl)ethylamine; and

25           *N*-{2-[4-(4-methoxyphenyl)aminophenyl]ethyl}-2-hydroxy-2-(8-hydroxy-2(1*H*)-quinolinon-5-yl)ethylamine;

or a pharmaceutically-acceptable salt or solvate or stereoisomer thereof.

11.        A compound selected from the group consisting of:

30           *N*-{2-[4-(3-phenyl-4-methoxyphenyl)aminophenyl]ethyl}-(*R*)-2-hydroxy-2-(3-hydroxymethyl-4-hydroxyphenyl)ethylamine;

*N*-{2-[4-(4-ethoxyphenyl)aminophenyl]ethyl}-(*R*)-2-hydroxy-2-(3-hydroxymethyl-4-hydroxyphenyl)ethylamine;

*N*-{2-[4-(3-phenyl)aminophenyl]ethyl}-(*R*)-2-hydroxy-2-(3-hydroxymethyl-4-hydroxyphenyl)ethylamine;

*N*-{2-[4-(3-phenyl-4-methoxyphenyl)aminophenyl]ethyl}-(*R*)-2-hydroxy-2-(8-hydroxy-2(1*H*)-quinolinon-5-yl)ethylamine;

5        *N*-{2-[4-(4-methoxyphenyl)aminophenyl]ethyl}-(*R*)-2-hydroxy-2-(3-hydroxymethyl-4-hydroxyphenyl)ethylamine;

*N*-{2-[4-(3-phenyl-4-ethoxyphenyl)aminophenyl]ethyl}-(*R*)-2-hydroxy-2-(3-hydroxymethyl-4-hydroxyphenyl)ethylamine;

10        *N*-{2-[4-(3-phenyl-4-methoxyphenyl)aminophenyl]ethyl}-(*R*)-2-hydroxy-2-(3-formamido-4-hydroxyphenyl)ethylamine;

*N*-{2-[4-(4-ethoxyphenyl)aminophenyl]ethyl}-(*R*)-2-hydroxy-2-(3-formamido-4-hydroxyphenyl)ethylamine;

*N*-{2-[4-(3-phenylphenyl)aminophenyl]ethyl}-(*R*)-2-hydroxy-2-(3-formamido-4-hydroxyphenyl)ethylamine;

15        *N*-{2-[4-(3-phenyl-4-ethoxyphenyl)aminophenyl]ethyl}-(*R*)-2-hydroxy-2-(3-formamido-4-hydroxyphenyl)ethylamine;

*N*-{2-[4-(4-methoxyphenyl)aminophenyl]ethyl}-(*R*)-2-hydroxy-2-(3-formamido-4-hydroxyphenyl)ethylamine;

20        *N*-{2-[4-(4-ethoxyphenyl)aminophenyl]ethyl}-(*R*)-2-hydroxy-2-(8-hydroxy-2(1*H*)-quinolinon-5-yl)ethylamine;

*N*-{2-[4-(3-phenylphenyl)aminophenyl]ethyl}-(*R*)-2-hydroxy-2-(8-hydroxy-2(1*H*)-quinolinon-5-yl)ethylamine;

*N*-{2-[4-(3-phenyl-4-ethoxyphenyl)aminophenyl]ethyl}-(*R*)-2-hydroxy-2-(8-hydroxy-2(1*H*)-quinolinon-5-yl)ethylamine; and

25        *N*-{2-[4-(4-methoxyphenyl)aminophenyl]ethyl}-(*R*)-2-hydroxy-2-(8-hydroxy-2(1*H*)-quinolinon-5-yl)ethylamine;

or a pharmaceutically-acceptable salt or solvate or stereoisomer thereof.

12.        The compound of claim 11 wherein the compound is *N*-{2-[4-(3-phenyl-4-methoxyphenyl)aminophenyl]ethyl}-(*R*)-2-hydroxy-2-(8-hydroxy-2(1*H*)-quinolinon-5-yl)ethylamine.

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13. A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 1 or 4 and a pharmaceutically-acceptable carrier.

14. The pharmaceutical composition of claim 13, wherein the composition is formulated for administration by inhalation.

15. The pharmaceutical composition of claim 13, wherein the composition further comprises a therapeutically effective amount of a steroidal anti-inflammatory agent.

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16. The pharmaceutical composition of claim 13, wherein the composition further comprises a therapeutically effective amount of a compound selected from the group consisting of a muscarinic receptor antagonist agent, a phosphodiesterase inhibitor agent, an immunoglobulin antibody, a leukotriene antagonist agent, a cytokine antagonist agent, a protease inhibitor, cromolyn sodium, nedocromil sodium, and sodium cromoglycate.

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17. A method of treating a disease or condition in a mammal associated with  $\beta_2$  adrenergic receptor activity, the method comprising administering to the mammal, a therapeutically effective amount of a pharmaceutical composition of claim 13.

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18. The method of claim 17 wherein the disease or condition is a pulmonary disease.

19. The method of claim 18 wherein the pulmonary disease is asthma or chronic obstructive pulmonary disease.

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20. The method of claim 17 wherein the disease or condition is selected from the group consisting of pre-term labor, neurological disorders, cardiac disorders, and inflammation.

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21. The method of claim 17 further comprising administering a therapeutically effective amount of a steroidal anti-inflammatory agent.

22. The method of claim 17 further comprising administering a therapeutically effective amount of a compound selected from the group consisting of a muscarinic receptor antagonist agent, a phosphodiesterase inhibitor agent, an immunoglobulin antibody, a leukotriene antagonist agent, a cytokine antagonist agent, a protease inhibitor, 5 cromolyn sodium, nedocromil sodium, and sodium cromoglycate.

23. A method of modulating the activity of a  $\beta_2$  adrenergic receptor, the method comprising contacting a  $\beta_2$  adrenergic receptor with a modulating amount of a compound as described in claim 1.

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